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1648

TECH CENTER 1600/2900



1600

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/891,823

DATE: 09/18/2002
 TIME: 11:02:26

Input Set : A:\12071-003001.txt
 Output Set: N:\CRF4\09182002\I891823.raw

1
 fm
 9/26/02

4 <110> APPLICANT: Neefe, John R.
 5 Boux, Leslie J.
 6 Winnett, Mark T.
 7 Goldstone, Stephen E.
 8 Siegel, Marvin
 10 <120> TITLE OF INVENTION: HUMAN PAPILLOMA VIRUS TREATMENT
 12 <130> FILE REFERENCE: 12071-003001
 14 <140> CURRENT APPLICATION NUMBER: US 09/891,823
 C--> 15 <141> CURRENT FILING DATE: 2001-10-19
 17 <150> PRIOR APPLICATION NUMBER: US 60/214,202
 18 <151> PRIOR FILING DATE: 2000-06-26
 20 <160> NUMBER OF SEQ ID NOS: 140
 22 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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 26 <212> TYPE: PRT
 27 <213> ORGANISM: Human papilloma virus
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 31 1 5
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 40 1 5 10
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 44 <212> TYPE: PRT
 45 <213> ORGANISM: Human papilloma virus
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 48 Tyr Met Leu Asp Leu Gln Pro Glu Thr
 49 1 5
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 52 <211> LENGTH: 9
 53 <212> TYPE: PRT
 54 <213> ORGANISM: Human papilloma virus
 56 <400> SEQUENCE: 4
 57 Thr Leu His Glu Tyr Met Leu Asp Leu
 58 1 5
 60 <210> SEQ ID NO: 5
 61 <211> LENGTH: 9

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62 <212> TYPE: PRT
63 <213> ORGANISM: Human papilloma virus
65 <400> SEQUENCE: 5
66 Leu Leu Met Gly Thr Leu Gly Ile Val
67 1 5
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71 <212> TYPE: PRT
72 <213> ORGANISM: Human papilloma virus
74 <400> SEQUENCE: 6
75 Thr Leu Glu Asp Leu Leu Met Gly Thr
76 1 5
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80 <212> TYPE: PRT
81 <213> ORGANISM: Human papilloma virus
83 <400> SEQUENCE: 7
84 Thr Pro Thr Leu His Glu Tyr Met Leu
85 1 5
87 <210> SEQ ID NO: 8
88 <211> LENGTH: 10
89 <212> TYPE: PRT
90 <213> ORGANISM: Human papilloma virus
92 <400> SEQUENCE: 8
93 Thr Phe Cys Cys Lys Cys Asp Ser Thr Leu
94 1 5 10
96 <210> SEQ ID NO: 9
97 <211> LENGTH: 9
98 <212> TYPE: PRT
99 <213> ORGANISM: Human papilloma virus
101 <400> SEQUENCE: 9
102 His Tyr Asn Ile Val Thr Phe Cys Cys
103 1 5
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106 <211> LENGTH: 9
107 <212> TYPE: PRT
108 <213> ORGANISM: Human papilloma virus
110 <400> SEQUENCE: 10
111 Cys Tyr Glu Gln Leu Asn Asp Ser Ser
112 1 5
114 <210> SEQ ID NO: 11
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116 <212> TYPE: PRT
117 <213> ORGANISM: Human papilloma virus
119 <400> SEQUENCE: 11
120 Asp Thr Pro Thr Leu His Glu Tyr Met Leu
121 1 5 10
123 <210> SEQ ID NO: 12
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125 <212> TYPE: PRT
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128 <400> SEQUENCE: 12
129 Gly Ile Val Cys Pro Ile Cys Ser Gln Lys
130 1 5 10
132 <210> SEQ ID NO: 13
133 <211> LENGTH: 10
134 <212> TYPE: PRT
135 <213> ORGANISM: Human papilloma virus
137 <400> SEQUENCE: 13
138 Cys Val Gln Ser Thr His Val Asp Ile Arg
139 1 5 10
141 <210> SEQ ID NO: 14
142 <211> LENGTH: 9
143 <212> TYPE: PRT
144 <213> ORGANISM: Human papilloma virus
146 <400> SEQUENCE: 14
147 Ile Val Cys Pro Ile Cys Ser Gln Lys
148 1 5
150 <210> SEQ ID NO: 15
151 <211> LENGTH: 9
152 <212> TYPE: PRT
153 <213> ORGANISM: Human papilloma virus
155 <400> SEQUENCE: 15
156 Val Gln Ser Thr His Val Asp Ile Arg
157 1 5
159 <210> SEQ ID NO: 16
160 <211> LENGTH: 9
161 <212> TYPE: PRT
162 <213> ORGANISM: Human papilloma virus
164 <400> SEQUENCE: 16
165 Cys Cys Lys Cys Asp Ser Thr Leu Arg
166 1 5
168 <210> SEQ ID NO: 17
169 <211> LENGTH: 10
170 <212> TYPE: PRT
171 <213> ORGANISM: Human papilloma virus
173 <400> SEQUENCE: 17
174 Leu Arg Leu Cys Val Gln Ser Thr His Val
175 1 5 10
177 <210> SEQ ID NO: 18
178 <211> LENGTH: 10
179 <212> TYPE: PRT
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183 Arg Thr Leu Glu Asp Leu Leu Met Gly Thr
184 1 5 10
186 <210> SEQ ID NO: 19
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Input Set : A:\12071-003001.txt
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188 <212> TYPE: PRT
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196 <211> LENGTH: 9
197 <212> TYPE: PRT
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200 <400> SEQUENCE: 20
201 Val Asp Ile Arg Thr Leu Glu Asp Leu
202 1 5
204 <210> SEQ ID NO: 21
205 <211> LENGTH: 9
206 <212> TYPE: PRT
207 <213> ORGANISM: Human papilloma virus
209 <400> SEQUENCE: 21
210 Leu Gly Ile Val Cys Pro Ile Cys Ser
211 1 5
213 <210> SEQ ID NO: 22
214 <211> LENGTH: 9
215 <212> TYPE: PRT
216 <213> ORGANISM: Human papilloma virus
218 <400> SEQUENCE: 22
219 Leu Glu Asp Leu Leu Met Gly Thr Leu
220 1 5
222 <210> SEQ ID NO: 23
223 <211> LENGTH: 9
224 <212> TYPE: PRT
225 <213> ORGANISM: Human papilloma virus
227 <400> SEQUENCE: 23
228 Thr Asp Leu Tyr Cys Tyr Glu Gln Leu
229 1 5
231 <210> SEQ ID NO: 24
232 <211> LENGTH: 9
233 <212> TYPE: PRT
234 <213> ORGANISM: Human papilloma virus
236 <400> SEQUENCE: 24
237 Glu Glu Asp Glu Ile Asp Gly Pro Ala
238 1 5
240 <210> SEQ ID NO: 25
241 <211> LENGTH: 10
242 <212> TYPE: PRT
243 <213> ORGANISM: Human papilloma virus
245 <400> SEQUENCE: 25
246 Asn Asp Ser Ser Glu Glu Glu Asp Glu Ile
247 1 5 10
249 <210> SEQ ID NO: 26
250 <211> LENGTH: 9

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Input Set : A:\12071-003001.txt
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251 <212> TYPE: PRT
252 <213> ORGANISM: Human papilloma virus
254 <400> SEQUENCE: 26
255 Leu Gln Pro Glu Thr Thr Asp Leu Tyr
256 1 5
258 <210> SEQ ID NO: 27
259 <211> LENGTH: 10
260 <212> TYPE: PRT
261 <213> ORGANISM: Human papilloma virus
263 <400> SEQUENCE: 27
264 Gly Gln Ala Glu Pro Asp Arg Ala His Tyr
265 1 5 10
267 <210> SEQ ID NO: 28
268 <211> LENGTH: 9
269 <212> TYPE: PRT
270 <213> ORGANISM: Human papilloma virus
272 <400> SEQUENCE: 28
273 Asp Ile Arg Thr Leu Glu Asp Leu Leu
274 1 5
276 <210> SEQ ID NO: 29
277 <211> LENGTH: 9
278 <212> TYPE: PRT
279 <213> ORGANISM: Human papilloma virus
281 <400> SEQUENCE: 29
282 Glu Pro Asp Arg Ala His Tyr Asn Ile
283 1 5
285 <210> SEQ ID NO: 30
286 <211> LENGTH: 10
287 <212> TYPE: PRT
288 <213> ORGANISM: Human papilloma virus
290 <400> SEQUENCE: 30
291 Cys Cys Lys Cys Asp Ser Thr Leu Arg Leu
292 1 5 10
294 <210> SEQ ID NO: 31
295 <211> LENGTH: 8
296 <212> TYPE: PRT
297 <213> ORGANISM: Human papilloma virus
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300 Asp Ile Arg Thr Leu Glu Asp Leu
301 1 5
303 <210> SEQ ID NO: 32
304 <211> LENGTH: 10
305 <212> TYPE: PRT
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308 <400> SEQUENCE: 32
309 Asp Arg Ala His Tyr Asn Ile Val Thr Phe
310 1 5 10
312 <210> SEQ ID NO: 33
313 <211> LENGTH: 9

VERIFICATION SUMMARY

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L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date